

Product datasheet for **SC328949**

nephronectin (NPNT) (NM_001184690) Human Untagged Clone

Product data:

| | |
|---------------------------|---------------------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | nephronectin (NPNT) (NM_001184690) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | NPNT |
| Synonyms: | EGFL6L; POEM |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

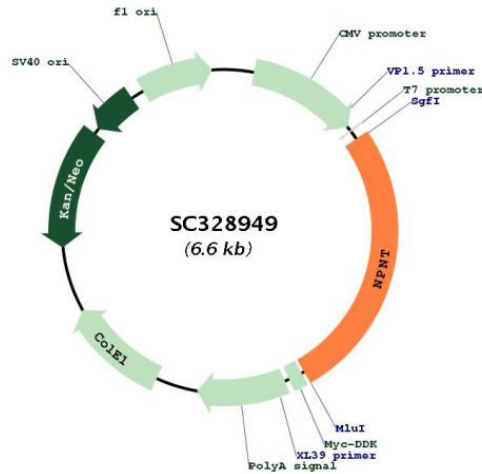
Fully Sequenced ORF: >SC328949 representing NM_001184690.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGATTTTCTCCTGGCGCTGGTGTGATCCTCGCTCTACCTGCAGGCGGCCGCCGAGTTCGACGGG
AGGTGGCCAGGCAAATAGTGTATCGATTGGCCTATGTCGTTATGGTGGGAGGATTGACTGCTGCTGG
GGCTGGGCTCGCCAGTCTTGGGGACAGTGTGAGCCTTTCTACGCTTAAGGCAGAGAATAGCCAGGATA
AGGTGCCAGCTCAAAGCTGTGTGCCAACACGATGCAAACATGGTGAATGTATCGGGCAAACAAGTGC
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GGCCACTGCTCTGAAGAACGCTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001184690

Insert Size: 1749 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001184690.1](#)

RefSeq Size: 4643 bp

RefSeq ORF: 1749 bp

Locus ID: 255743

UniProt ID: [Q6UXI9](#)

Cytogenetics: 4q24

Protein Families: Druggable Genome

MW: 64 kDa

Gene Summary: Functional ligand of integrin alpha-8/beta-1 in kidney development. Regulates the expression of GDNF with integrin alpha-8/beta-1 which is essential for kidney development. May also play a role in the development and function of various tissues, regulating cell adhesion, spreading and survival through the binding of several integrins (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes a protein (isoform A) of 582 amino acids.

Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.